Certificate of Test

November 2007

WinMate Communications INC.

Product Type	**: BOX PC**
Model Number	**: A83xSB3-xxx(x=0~9, a~z, A~Z, blank)**
Brand Name	**: WinMate**
Test Report Number	**: 0710059F-01**
Date of Test	**: October 15, 2007 – October 27, 2007**

This Product was tested to the following standards at the laboratory of Global EMC Standard Tech. Corp., and found Compliance.

Standards:

FCC CFR 47, Part 15 Subpart B / CISPR 22 3rd Edition: 1997, Class B

ANSI C63.4: 2003

Canadian ICES-003

http : //www.gestek.com.tw

Sharon Chang, President

Date: November 07, 2007

GesTek EMC Lab

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NVLAP LAB CODE 200085-0

DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2. 1077(a)

hereby declares that the product

Product Name: BOX PC

Model Number: A83xSB3-xxx(x=0~9, a~z, A~Z, blank)

Conforms to the following specifications:

FCC CFR 47, Part 15 Subpart B, Section 15.107(a), Section 15.109(a),

Class B Digital Device

Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : _____

Address: _____

Telephone number:_____

Signature :_____

Date : _____

Test Report
Application for
Declaration of Conformity
On Behalf Of

WinMate Communications INC.

EUT: BOX PC

Model Number:
A83xSB3-xxx(x=0~9, a~z, A~Z, blank)

Prepared for:
WinMate Communications INC.
9F, No. 111-6, Shing-De Rd., San-Chung City, Taipei 241, Taiwan, R.O.C.

Report By : **Global EMC Standard Tech. Corp.**
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Test results given in this report only relate to the specimen(s) tested, calibrated or measured.
This report shall not be reproduced other than in full without the written consent of Gestek.
This report must not be use to claim product endorsement by any agency of the U.S. Government.
All data in this report are traceable to national standard or international standard.

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1. CERTIFICATION

Applicant : WinMate Communications INC.

EUT Description	: BOX PC
Model Number	: A83xSB3-xxx(x=0~9, a~z, A~Z, blank)
Brand Name	: WinMate
Serial Number	: N/A
Tested Power Supply	: 120Vac/60Hz

MEASUREMENT PROCEDURES USED:

☑ **CFR 47, Part 15**	Radio Frequency Device Subpart B Unintentional Radiators Class B
☑ **CISPR 22 3rd Edition:1997**	Limits and methods of measurement of radio disturbance Characteristics of information technology equipment: 1997
☑ **ANSI C63.4**	Methods of Measurements of Radio-Noise Emissions from Low- Voltage Electrical and Electronic Equipment in the range of 9kHz To 40GHz:2003
☑ **Canadian ICES-003**	Implementation and Interpretation off the Interference-Causing Equipment Standard for Digital Apparatus, ICES-003

THE MEASUREMENT SHOWN IN THE ATTACHMENT WAS MADE IN ACCORDANCE WITH THE PROCEDURES INDICATED, AND THE MAXIMUM ENERGY EMITTED BY THE EQUIPMENT WAS FOUND TO BE WITHIN THE ABOVE LIMITS APPLICABLE.

NVLAP LAB CODE 200085-0

Date of Test: October 15, 2007 – October 27, 2007

In order to ensure the quality and accuracy of this document, the contents have been thoroughly reviewed by the following qualified personnel from GesTek Lab.

Documented By :

Gina Li / adm. Dept.Technical Report Author

Tested By :

Jerry Su / eng. Dept. Engineer

Approved By :

Tonny Lin / General Manager

This test data shown below is traceable to National or international standard such as NIST/USA, etc. The laboratory's NVLAP accreditation in no way constitutes or implies product certification, approval, or endorsement by NVLAP or the United States government.

2. SUMMARY OF TEST RESULTS

The Worst Emission data was found as following

STANDARD	TEST ITEM	TEST RESULT	REMARKS
(1)FCC Part 15 (2)CISPR 22 3rd Edition:1997 (3)Canadian ICES-003. Class B	Conducted emission (Mode 2)	PASS	The worst emission frequency is 0.4221 MHz. And minimum passing margin is -8.24 dB. The measurement uncertainty is 3.6 dB.
	Radiated emission (Mode 2)	PASS	The worst emission frequency is 272.0148 MHz at Horizontal. And minimum passing margin is –1.16 dB. Height of antenna is 4.00 M. Angle of turntable is 135°. The measurement uncertainty is 5.1 dB.

3. GENERAL INFORMATION

3.1 PRODUCTION DESCRIPTION

Product Name : BOX PC
Model Number : A83xSB3-xxx(x=0~9, a~z, A~Z, blank)
Brand Name : WinMate
Serial Number : N/A
Applicant : WinMate Communications INC.
Address : 9F, No. 111-6, Shing-De Rd., San-Chung City, Taipei 241, Taiwan, R.O.C.
Manufacturer : WinMate Communications INC.
Address : 9F, No. 111-6, Shing-De Rd., San-Chung City, Taipei 241, Taiwan, R.O.C.
Power Supply : AC Input:100~240V~2.5A/50~60Hz
DC Output:12-17V⎓10.0A
Power Cord : 1.8m, 3Pins, Non-Shielded, detachable

3.2 TEST MODES & EUT COMPONENTS DESCRIPTION

EUT: BOX PC, M/N: A83xSB3-xxx(x=0~9, a~z, A~Z, blank)			
Test Mode Name	**Mode 1- D-Sub out 1920x1440 60Hz (Pre-scan Mode)**	**Mode 2- D-Sub out 1280x1024 60Hz (Test Mode)**	**Mode 3- D-Sub out 800x600 60Hz (Pre-scan Mode)**
Adaptor	EDAC, EA11253A AC Input:100~240V~2.5A/50~60Hz DC Output:12-17V⎓10.0A		
PS2 Cable	30cm, Non-Core		
Power Cable	.8m, 3Pins, Non-Shielded		

Note:

1. According to pre-scan data, we determine the data (Mode 2) shown in this test report, which reflects the worst-case data for each operation mode.
2. The EUT has a series model numbers for the requirement of marketing.

3.3 CONFIGURATION OF THE TESTED SYSTEM

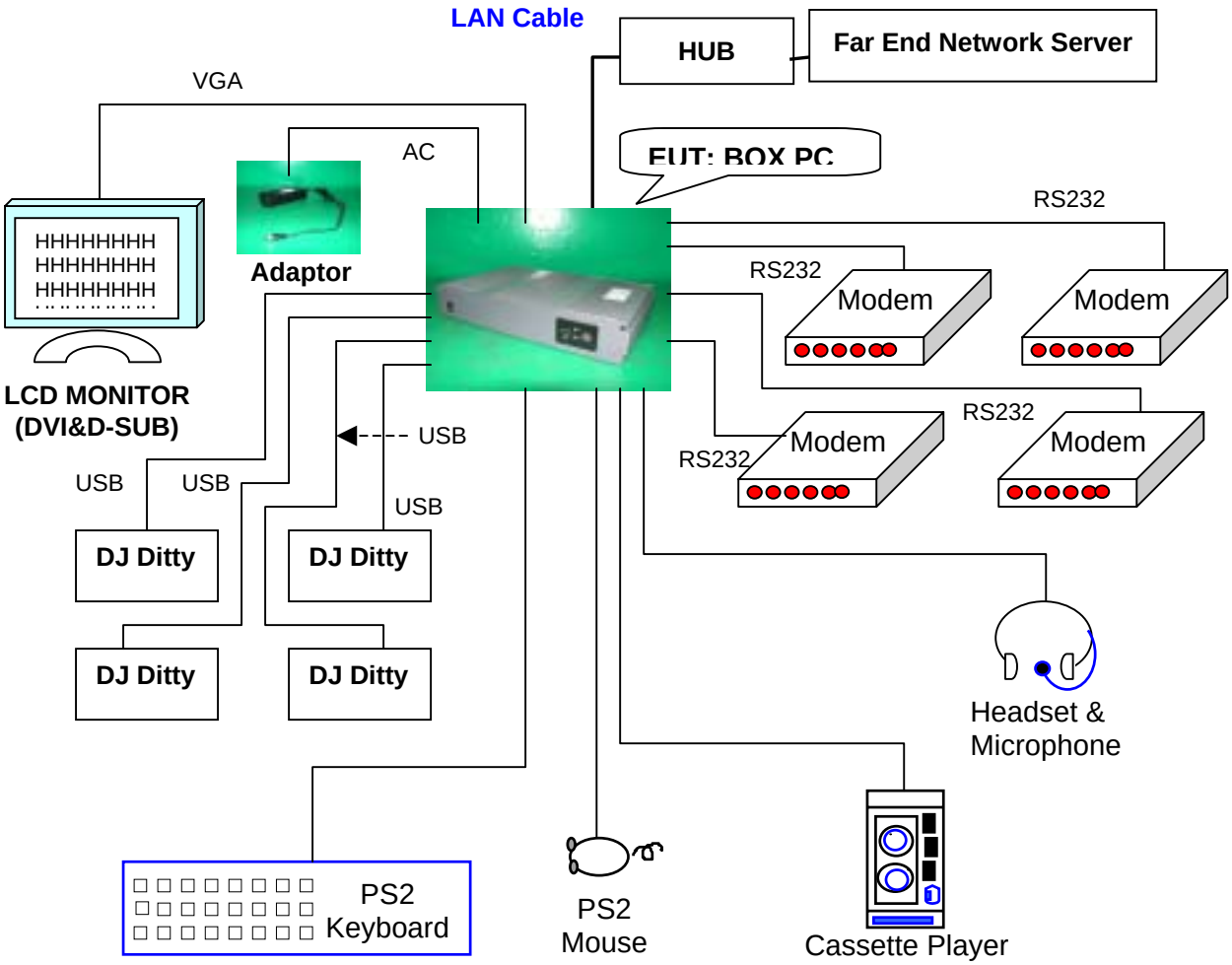
The FCC IDs/Types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards, which have grants) are:

Device	No.	Configuration
PS2 Mouse	**M02-400**	Manufacturer : detrois Model Number : CanMouse CM-309 Serial Number : N/A BSMI ID : R63159 FCC ID : N/A Data Cable : Shielded, Undetachable, 1.5m
PS2 Keyboard	**K01-107**	Manufacturer : acer Model Number : T200-P BSMI ID : R41097 FCC ID : N/A Data Cable : Shielded, Undetachable, 1.8 m
Headset & Earphone	**E01-122**	Manufacturer : Good Vision Model Number : LY-MIC02 Serial Number : N/A Data Cable : Non-Shielded, Undetachable, 1.8 m Power Cord : N/A
Cassette Player	**R02-024**	Manufacturer : AIWA CO., LTD. Model Number : HS-TA166 Serial Number : S34LI03R0838 BSMI ID : N/A FCC ID : N/A Date Cable : Non-Shielded, Detachable, 1.5m, Coaxial Cable Power Cord : N/A (Battery)
Modem	**M03-014**	Manufacturer : ACEEX Model Number : 1414 Serial Number : 960018046 BSMI ID : N/A FCC ID : IFAXDM1414 Data Cable : Type:RS232, Shielded, Detachable, 1.2m Power Cord : Non-Shielded, Detachable, 1.5m Line : Type:RJ11(4P2C), Detachable, 1.8m Phone : Type:RJ11(4P2C), Detachable, 1.8m
Modem	**M03-021**	Manufacturer : ACEEX Model Number : 1414V Serial Number : 0046174 BSMI ID : N/A FCC ID : IFAXDM1414 Data Cable : T Type:RS232, Shielded, Detachable, 1.2m Power Cord : Non-Shielded, Detachable, 1.5m Line : Type:RJ11(4P2C), Detachable, 1.8m Phone : Type:RJ11(4P2C), Detachable, 1.8m

Device	No.	Configuration
Modem	**M03-006**	Manufacturer : ACEEX Model Number : 2814 Serial Number : 960018051 BSMI ID : N/A FCC ID : IFAXDM2814 Data Cable : Type:RS232, Shielded, Detachable, 1.2m Power Cord : Non-Shielded, Detachable, 1.5m Line : Type:RJ11(4P2C), Detachable, 1.8m Phone : Type:RJ11(4P2C), Detachable, 1.8m
Modem	**M03-007**	Manufacturer : ACEEX Model Number : 1414 Serial Number : 960011394 BSMI ID : N/A FCC ID : IFAXDM1414 Data Cable : Type:RS232, Shielded, Detachable, 1.2m Power Cord : Non-Shielded, Detachable, 1.5m Line : Type:RJ11(4P2C), Detachable, 1.8m Phone : Type:RJ11(4P2C), Detachable, 1.8m
DJ Ditty	**U02-127**	Manufacturer : DELL Model Number : HV04T BSMI ID : N/A Data Cable : N/A USB DC 5V 1A
DJ Ditty	**U02-116**	Manufacturer : DELL Model Number : HV04T BSMI ID : N/A Data Cable : N/A USB DC 5V 1A
DJ Ditty	**U02-123**	Manufacturer : DELL Model Number : HV04T BSMI ID : N/A Data Cable : N/A USB DC 5V 1A
DJ Ditty	**U02-124**	Manufacturer : DELL Model Number : HV04T BSMI ID : N/A Data Cable : N/A USB DC 5V 1A
CF CARD	**------**	Manufacturer : A-DATA Model Number : S2M

Device	No.	Configuration
LCD MONITOR (DVI&D-SUB)	**M01-049**	Manufacturer : CMV Model Number : CT-723D Serial Number : N/A BSMI ID : R63126 FCC ID : N/A DVI&D-SUB Cable : Shielded, Detachable, 2m,cord Adapter Manufacturer :POTRANS Adapter Model Number : UP060B1190 POWER:AC INPUT :100-240V,50/60HZ ,OUTPUT:DC19V,3.16A Adapter Power Cord : Non-Shielded, Detachable, 3Pin, 1.8m
HUB	**------**	Manufacturer : D-Link Model Number : DES-1008D (10/100BASE-T Ethernet Hub) Data Cable to EUT : Type:RJ45(UTP/8P8C), Detachable, 12 m, Twisted Pairs Power Cord : Non-Shielded, Detachable, 1.5m
Far End Network Server	**------**	Mother Board : ASUS, M/N: TUSL2-C F.D.D. : Panasonic, M/N: JU-257A606P H.D.D. : Seagate, M/N: ST330621A CD-ROM : MITSUMI, M/N: CRMC-FX4830T VGA : On Board Sound : On Board LAN : On Board SDRAM : 32MB PC100 CPU : Intel,733M/133MHz S. P. S. : DELTA, M/N: DTPS-200PB-109C Power Cord : Non-Shielded, Detachable, 1.8m

3.4 BLOCK DIAGRAM OF CONNECTIONS BETWEEN EUT AND SIMULATORS



3.5 TEST METHODOLOGY

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003.
Radiated testing was performed at an antenna to EUT distance of **10** meters.
(For frequencies below 1000MHz)

3.6 TEST FACILITY

Ambient conditions in the laboratory:

ITEMS	Requirement
TEMPERATURE (°C)	10-40
HUMIDITY (%RH)	10-90
BAROMETRIC PRESSURE (mbar)	860-1060
FCC SITE DESCRIPTION	Aug. 10, 1995 /Aug. 25, 1998 File on FCC Engineering Laboratory Federal Communication Commission 7435 Oakland Mills Road Columbia, MD 21046 Reference 31040/SIT1300F2
NVLAP LAB. CODE	200085-0 United Stated Department of commerce National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program Accreditation on NVLAP effective through Sep. 30,2008 For CISPR 22, FCC Method and AS/NZS CISPR 22 Measurement.
Taiwan Accreditation Foundation (TAF)	Recognized by the Council of Taiwan Accreditation Foundation and confirmed to meet the requirements of ISO/IEC 17025. Registration No.: 1082 Registration on TAF effective through Sep. 19,2009

4. CONDUCTED EMISSION MEASUREMENT

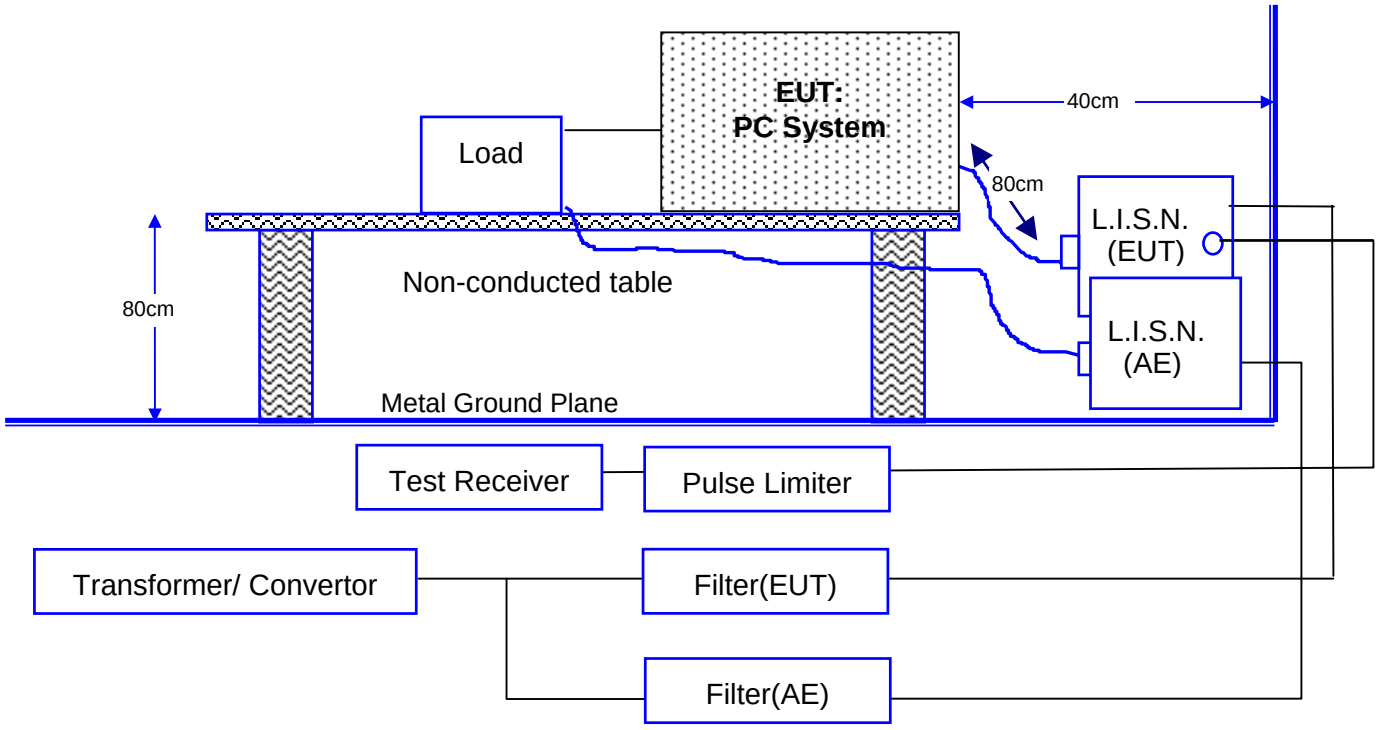
4.1 TEST EQUIPMENTS

The following test equipment are used during the conducted power line tests:

Item	Instrument	Manufacturer	Model	Serial No.	Last Cal. Date
1	Test Receiver	R & S	ESCS30	849650/023	01/12/07
2	LISN.(EUT)	ROLF HEINE	NNB-2/16Z	99042	12/22/06
3	L.I.S.N.(AE)	KYORITSU	KNW-407	8-1345-10	10/19/07
4	Pulse Limiter	R & S	ESH3-Z2	357.8810.52	08/02/07
5	RF CABLE	GTK	N/A	GTK-E-A154-01	11/28/06
6	50 Ohm Terminator	GTK	N/A	GTK-E-A130-01	N/A
7	Shielded Room	GTK	N/A	B5	N/A

Note: All measurement critical items of test instrumentation were within their calibration period of 1 year.

4.2 BLOCK DIAGRAM OF TEST SETUP



Note: This is a reprehensive setup diagram for Table-top EUT.
For Floor-standing EUT, the table will be removed with all others setup condition remain the same.

4.3 CONDUCTED EMISSION LIMIT

☐FCC Limit

Frequency	Maximum RF Line Voltage			
	Class A		Class B	
MHz	μV	dBμV	μV	dBμV
0.45 to 1.705	1000	60.0	250	48.0
1.705 to 30	3000	69.5	250	48.0

Remarks : 1. RF Line Voltage (dBμV) = 20 log RF Line Voltage (μV).
2. In the Above Table, the tighter limit applies at the band edges.

☒CISPR Limit

Frequency	Maximum RF Line Voltage dB(μV)			
	Class A		Class B	
MHz	QUASI-PEAK	AVERAGE	QUASI-PEAK	AVERAGE
0.15 to 0.50	79	66	66 to 56	56 to 46
0.50 to 5.0	73	60	56	46
5.0 to 30	73	60	60	50

Remarks : In the Above Table, the tighter limit applies at the band edges.

4.4 EUT CONFIGURATION ON MEASUREMENT

The equipments that are listed 4.1 are installed on Conducted Power Line Test to meet the Commission requirement and operating in a manner, which tends to maximize its emission characteristics in a normal application.

The device under test, installed in a representative system as described in section 4.2, was placed on a non-conductive table whose total height equal to 80cm. Powered from one L.I.S.N. which signal output to receiver, and the other peripherals was powered from another L.I.S.N. which signal output was terminated by 50Ω.

4.5 CONDUCTED EMISSION DATA

The measurement range of conducted emission, which is from **0.15 MHz to 30 MHz**, was investigated. All readings are quasi-peak and average values with a resolution Bandwidth of 9 KHz. The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range for all the test modes. Then the worst modes were reported the following data pages.

4.6 OPERATING CONDITIONS OF THE EUT

The EUT exercise program used during conducted testing was designed to exercise the EUT in a manner similar to a typical use. The exercise sequence is listed as below:

1. Setup the EUT and simulators as shown on 4.2.
2. Turn on the power of all equipments.
3. Boot the P.C. from Hard Disk and setup the video to Windows XP, active all devices.
4. Connect the Far End Network Server and run test program “test.bat “.
5. The EUT exchange the information with the GesTek server via HUB.
6. Adjust to appropriate video resolution.
7. Active other internal devices such as network function.
8. Run“WinRFI” & Play Music”test program under Windows XP.
9. P.C. sent “H” pattern to monitor, make the “H” pattern full in the screen.
10. P.C. sent “H” pattern to parallel and serial port.
11. Repeat above steps.

4.7 CONDUCTED EMISSION MEASUREMENT RESULTS

Date of Test	October 24, 2007	**Temperature**	26 ℃
EUT	PC System	**Humidity**	60 %
Test Mode	Mode 2	**Display Pattern**	H Pattern
Test Power Supply	AC 120V/60Hz		

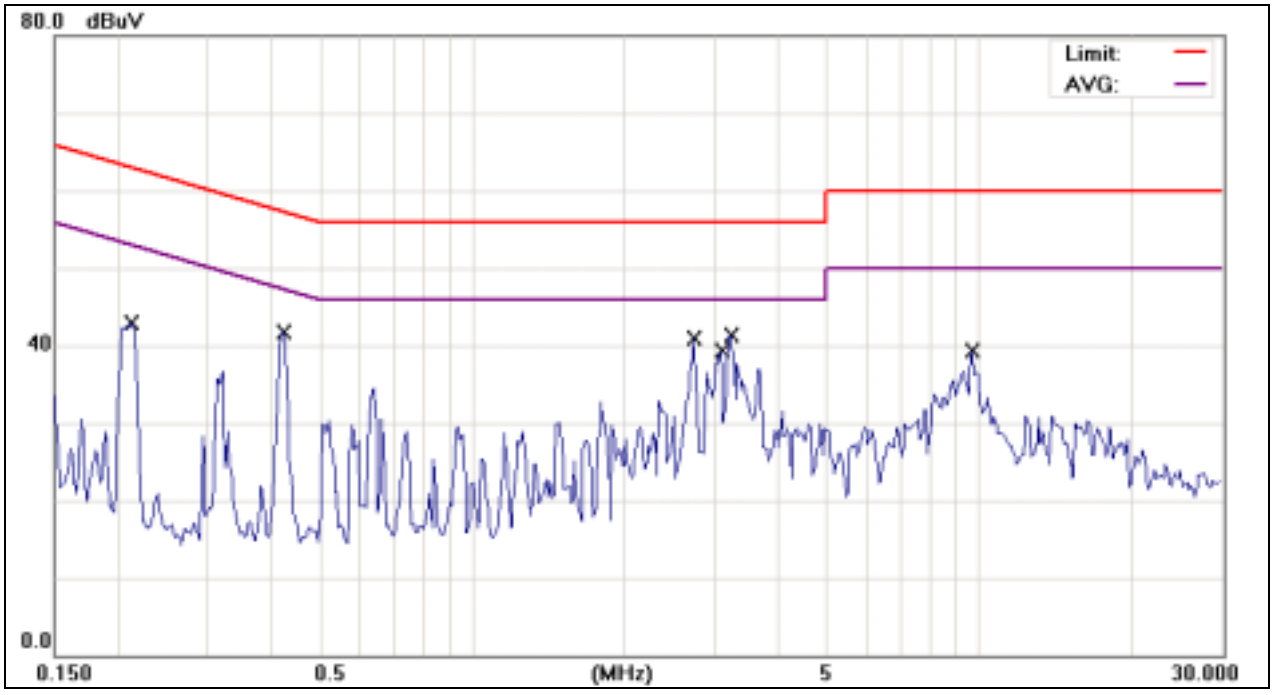
Line

No.	Frequency MHz	Reading Level dBμV	Factor dB	Measurement dBμV	Limit dBμV	Over Limit dB	Detector
1	0.2120	33.31	9.59	42.90	63.13	-20.23	QP
2	0.2120	32.20	9.59	41.79	53.13	-11.34	AVG
3	0.4234	30.41	9.63	40.04	57.38	-17.34	QP
4	★0.4234	27.87	9.63	37.50	47.38	-9.88	AVG
5	2.7356	26.60	9.68	36.28	56.00	-19.72	QP
6	2.7356	13.42	9.68	23.10	46.00	-22.90	AVG
7	3.0834	26.10	9.70	35.80	56.00	-20.20	QP
8	3.0834	16.16	9.70	25.86	46.00	-20.14	AVG
9	3.2448	26.77	9.71	36.48	56.00	-19.52	QP
10	3.2448	13.59	9.71	23.30	46.00	-22.70	AVG
11	9.6748	22.96	9.95	32.91	60.00	-27.09	QP
12	9.6748	14.52	9.95	24.47	50.00	-25.53	AVG

Remarks :

1. All readings are Quasi-peak and Average values.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = L.I.S.N. insertion loss + cable loss
5. " ★ " means that this data is the worse case measurement level.
6. The measurement uncertainty is 3.6 dB.

Line



Remark: 1. The "Limit" in right-up corner in above diagram refers to Quasi-peak ; "AVG" refers to the limit of Average.

Date of Test	October 24, 2007	**Temperature**	26 ℃
EUT	PC System	**Humidity**	60 %
Test Mode	Mode 2	**Display Pattern**	H Pattern
Test Power Supply	AC 120V/60Hz		

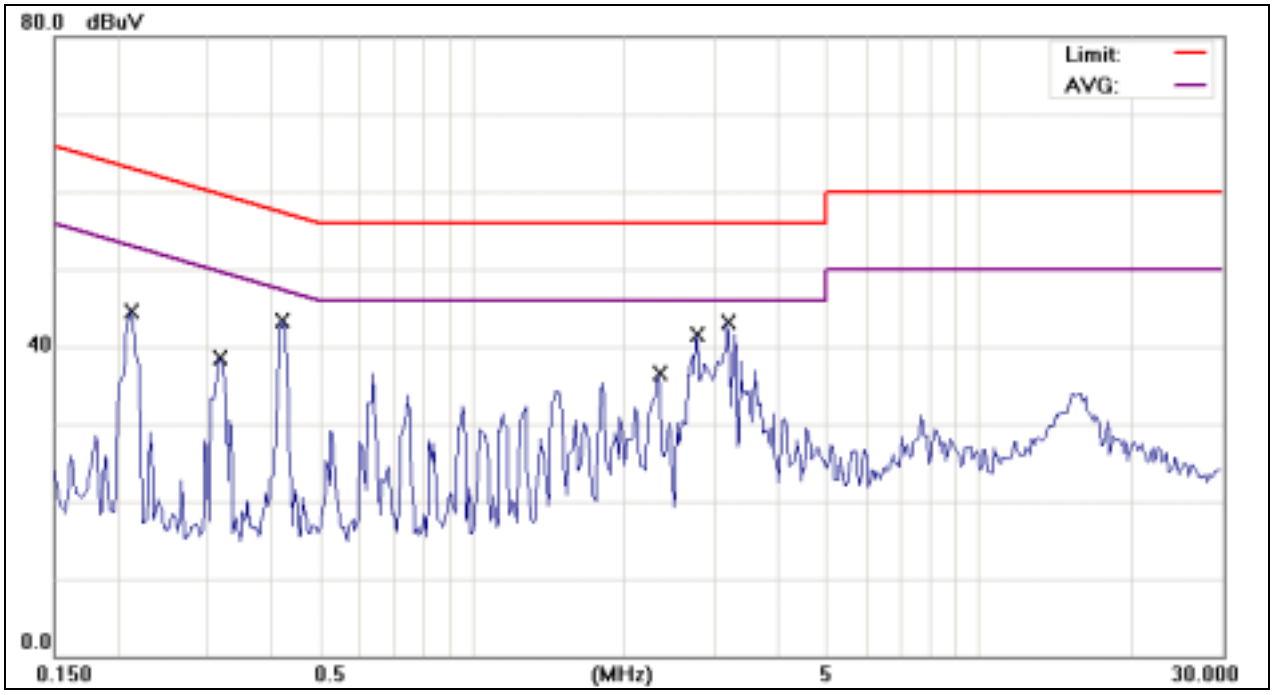
Neutral

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV	Limit dBµV	Over Limit dB	Detector
1	0.2119	33.78	9.59	43.37	63.13	-19.76	QP
2	0.2119	32.74	9.59	42.33	53.13	-10.80	AVG
3	0.3184	26.90	9.61	36.51	59.75	-23.24	QP
4	0.3184	24.93	9.61	34.54	49.75	-15.21	AVG
5	0.4221	32.45	9.63	42.08	57.41	-15.33	QP
6	★0.4221	29.54	9.63	39.17	47.41	-8.24	AVG
7	2.3343	23.73	9.75	33.48	56.00	-22.52	QP
8	2.3343	13.82	9.75	23.57	46.00	-22.43	AVG
9	2.7699	29.48	9.74	39.22	56.00	-16.78	QP
10	2.7699	20.16	9.74	29.90	46.00	-16.10	AVG
11	3.1929	30.45	9.74	40.19	56.00	-15.81	QP
12	3.1929	19.67	9.74	29.41	46.00	-16.59	AVG

Remarks :

1. All readings are Quasi-peak and Average values.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = L.I.S.N. insertion loss + cable loss
5. " ★ " means that this data is the worse case measurement level.
6. The measurement uncertainty is 3.6 dB.

Neutral



Remark: 1. The "Limit" in right-up corner in above diagram refers to Quasi-peak ; "AVG" refers to the limit of Average.

5. RADIATED EMISSION MEASUREMENT

5.1 TEST EQUIPMENT

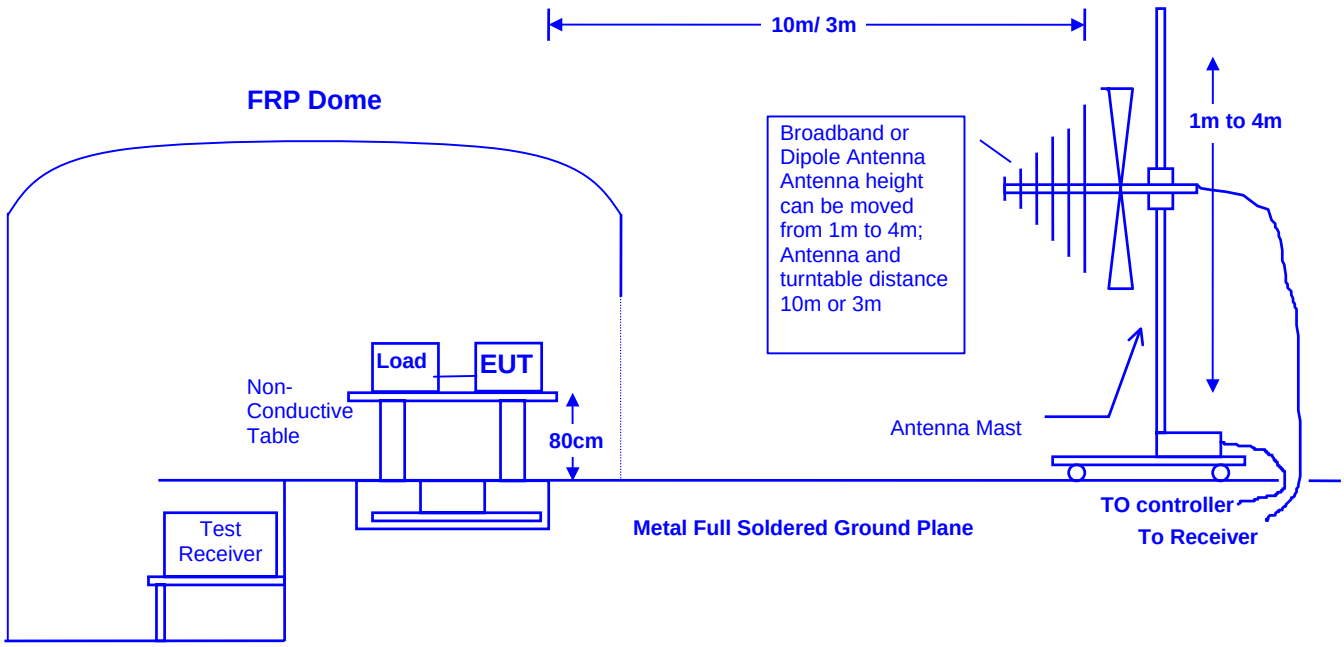
The following test equipments are used during the radiated emission tests:

Item	Instrument	Manufacturer	Model	Serial No.	Last Cal. Date
1	TEST RECEIVER	R & S	ESCS30	849650/023	01/12/07
2	SPECTRUM	RS	FSL6	100517	06/14/07
3	PRE-AMPLIFIER	HP	8447D	2944A08610	09/10/07
4	PRE-AMPLIFIER	HP	8449B	3008A01264	06/22/07
5	BILOG Antenna	SCHAFFNER	CBL6112B	2833	11/24/06
6	BILOG Antenna	ELECTRO-METRICS	EM-6961	103329	06/21/07
7	RF Cable	GTK	N/A	GTK-E-A316-01	11/08/06
8	Open Site	GTK	N/A	A2	11/22/06

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

5.2 OPEN TEST SITE SETUP DIAGRAM

Note: This is a reprehensive setup diagram for Table-top EUT.
For Floor-standing EUT, the table will be removed with all others setup condition remain the same.



5.3 RADIATED EMISSION LIMIT

☒FCC Class B Limit at 3m

Frequency	Distance	Field Strength	
MHz	Meter	μV/m	dBμV/m
30 to 88	3	100	40.0
88 to 216	3	150	43.5
216 to 960	3	200	46.0
Above 960	3	500	54.0

Note: The frequencies above 1000MHz, as measured using instrumentation with a peak detector function was corresponding to 20dB above the maximum permitted average limit.
(Refer 47CFR Ch. 1 (10-1-98 Edition §15.35(b))

☐FCC Class A Limit at 10m

Frequency	Distance	Field Strength	
MHz	Meter	μV/m	dBμV/m
30 to 88	10	90	39.0
88 to 216	10	150	43.5
216 to 960	10	210	46.4
Above 960	10	300	49.5

Remark :1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

☒CISPR Class B Limit at 10m

Frequency	Distance	Field Strength
MHz	Meter	dB(μV/m)
30 to 230	10	30
230 to 1000	10	37

Remark :1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

5.4 EUT CONFIGURATION

The equipment which is listed 5.1 are installed on Radiated Emission Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

The device under test, installed in a representative system as described in section 5.2, was placed on a non-conductive table whose total height equaled 80 cm. This table can be rotated 360 degree. The measurement antenna was mounted to a non-conductive mast capable of moving the antenna vertically. Antenna height was varied from 1 meter to 4 meters and the system under test was rotated from 0 degree through 360 degrees relative to the antenna position and polarization (Horizontal and Vertical). Also the I/O cable position was investigated to find the maximum emission condition.

5.5 OPERATING CONDITION OF EUT

Same as section 4.6.

5.6 RADIATED EMISSION DATA

The measurement range of radiated emission, which is from **30 MHz to 5 GHz,** was investigated. All readings are quasi-peak values with a resolution Bandwidth of 120 KHz. The initial step in collecting radiated emission data is a spectrum analyzer peak scans of the measurement range for all the test modes and then use test receiver for final measurement. Then the worst modes were reported the following data pages.

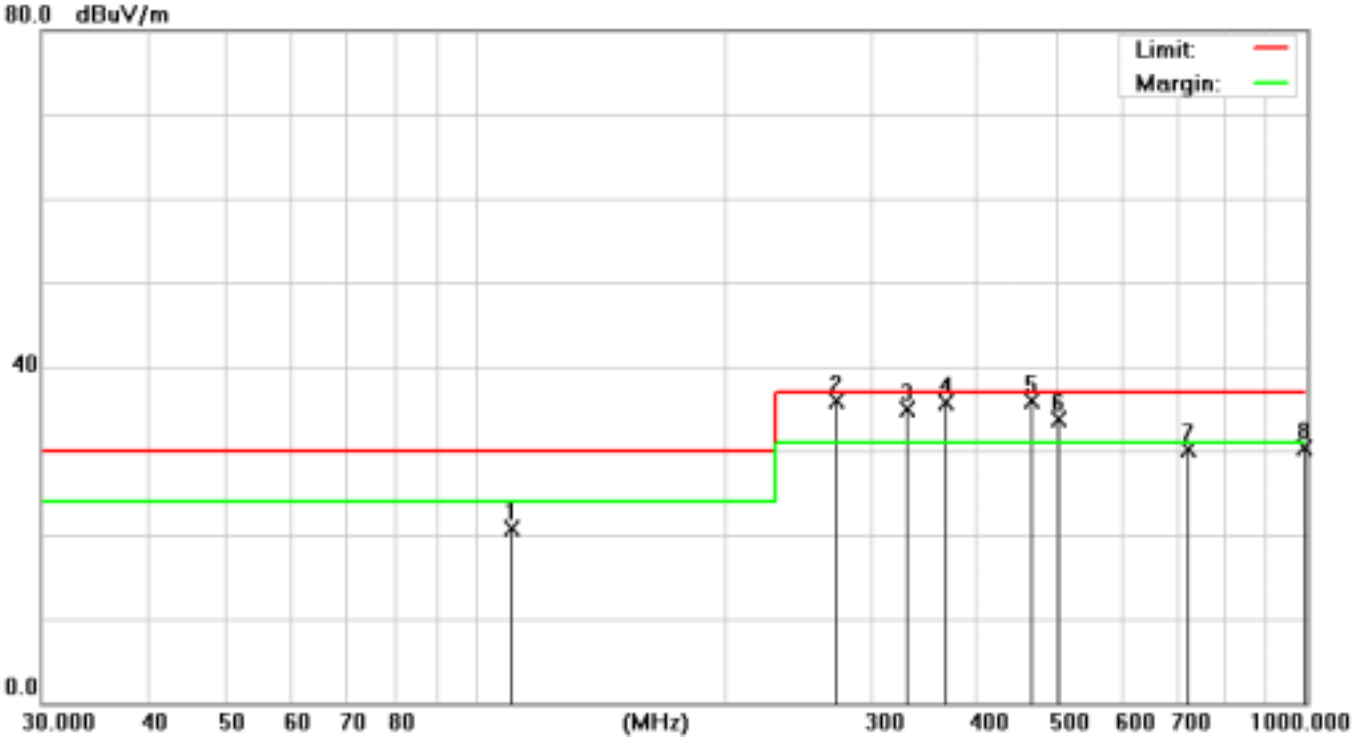
5.7 RADIATED EMISSIONS MEASUREMENT RESULTS

Date of Test	October 15, 2007	**Temperature**	26 deg/C
EUT	BOX PC	**Humidity**	60 %RH
Working Cond.	Mode 2	**Display Pattern**	H Pattern
Antenna distance	10m at **Horizontal**	**Frequency Range**	30-1000MHz
Test Power Supply	AC 120V/60Hz		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	110.5380	33.25	-12.51	20.74	30.00	-9.26	QP
2	★272.0148	44.60	-8.76	35.84	37.00	-1.16	QP
3	330.2990	42.01	-7.09	34.92	37.00	-2.08	QP
4	369.1800	42.01	-6.28	35.73	37.00	-1.27	QP
5	466.2830	40.25	-4.44	35.81	37.00	-1.19	QP
6	505.1830	37.50	-3.76	33.74	37.00	-3.26	QP
7	720.3247	31.00	-0.95	30.05	37.00	-6.95	QP
8	993.6240	28.25	2.11	30.36	37.00	-6.64	QP

Remarks:

1. All Readings below 1GHz are Quasi-Peak.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. " ★ " means that this data is the worse case measurement level.
6. The measurement uncertainty is 5.1 dB.



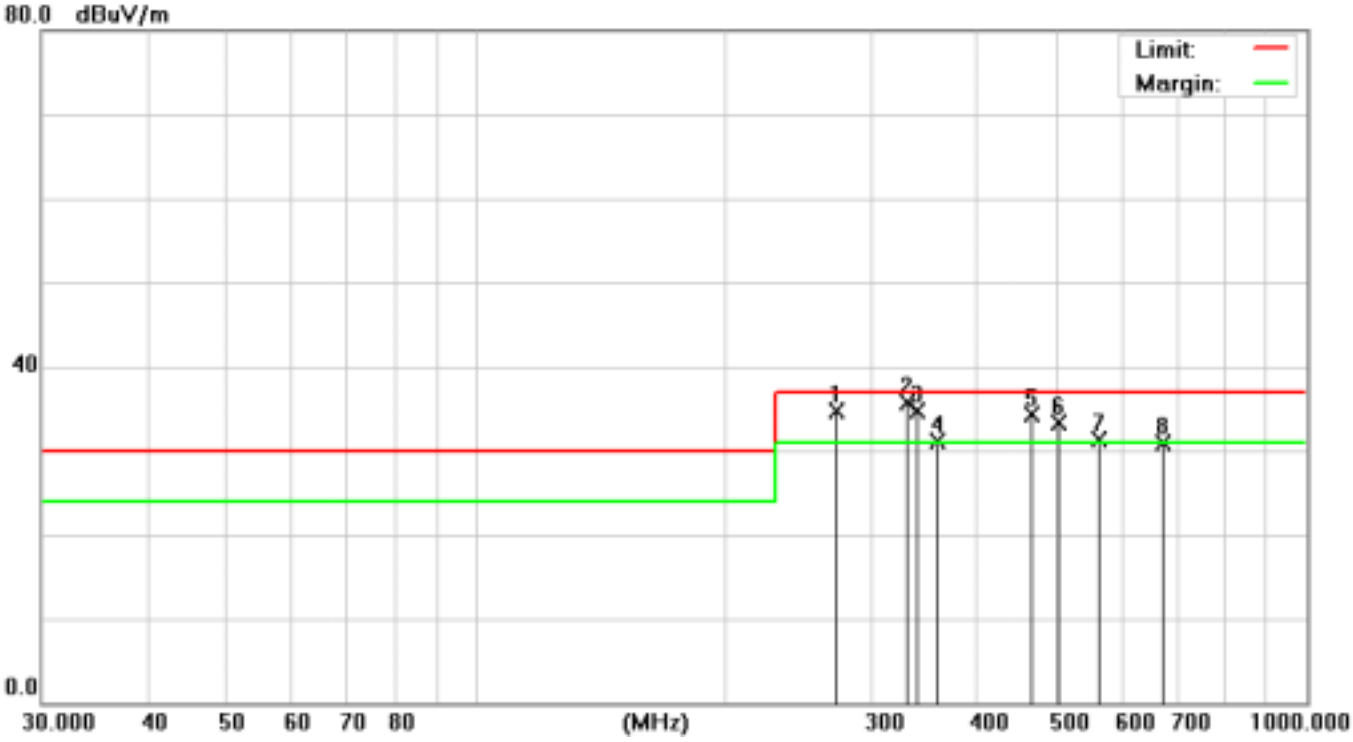
Remark: 1. The "Limit" in right-up corner in above diagram refers to Quasi-peak ; "AVG" refers to the limit of Average.

Date of Test	October 15, 2007	**Temperature**	26 deg/C
EUT	BOX PC	**Humidity**	60 %RH
Working Cond.	Mode 2	**Display Pattern**	H Pattern
Antenna distance	10m at **Vertical**	**Frequency Range**	30-1000MHz
Test Power Supply	AC 120V/60Hz		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	272.0200	43.50	-8.76	34.74	37.00	-2.26	QP
2	★330.3194	42.75	-7.09	35.66	37.00	-1.34	QP
3	340.2147	41.50	-6.89	34.61	37.00	-2.39	QP
4	359.4590	37.50	-6.48	31.02	37.00	-5.98	QP
5	466.3030	38.75	-4.44	34.31	37.00	-2.69	QP
6	505.1836	37.01	-3.76	33.25	37.00	-3.75	QP
7	563.4830	34.17	-2.96	31.21	37.00	-5.79	QP
8	672.0539	32.47	-1.59	30.88	37.00	-6.12	QP

Remarks:

1. All Readings below 1GHz are Quasi-Peak.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. " ★ " means that this data is the worse case measurement level.
6. The measurement uncertainty is 5.1 dB.



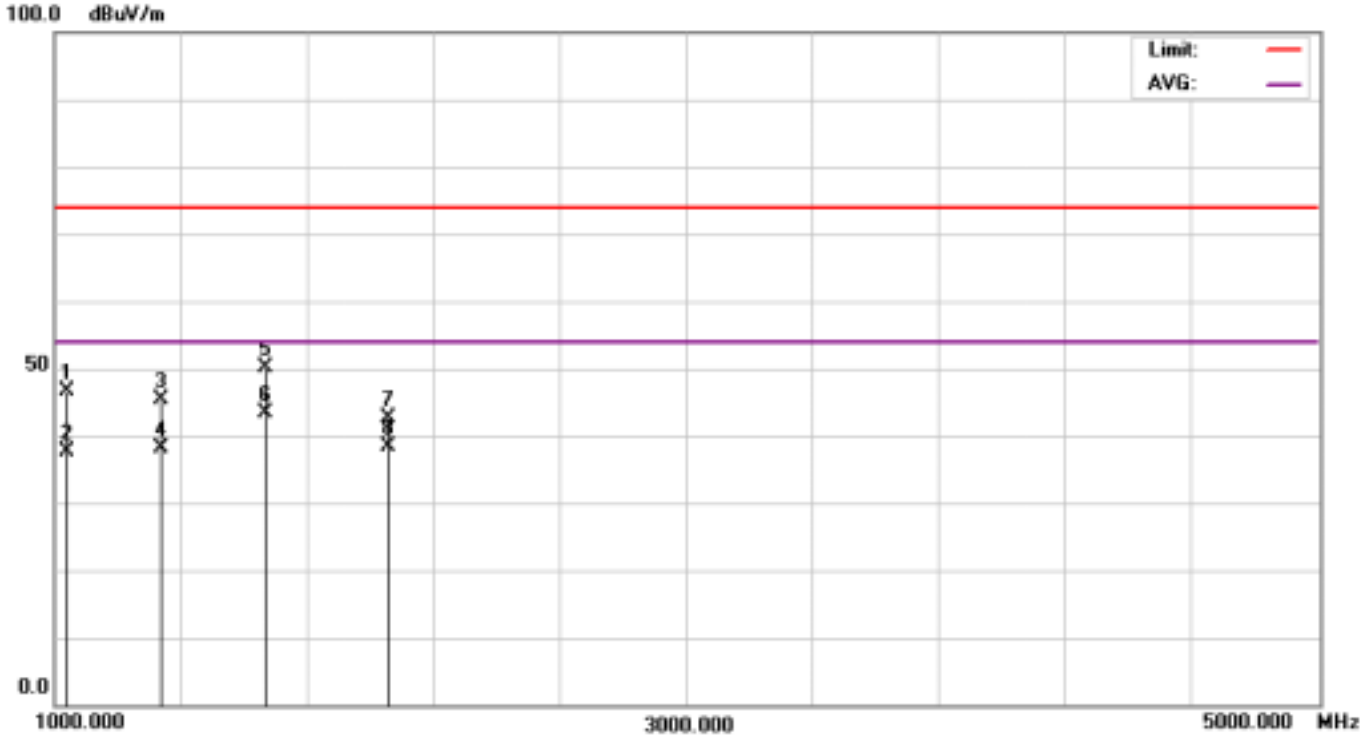
Remark: 1. The "Limit" in right-up corner in above diagram refers to peak ; "AVG" refers to the limit of Average.

Date of Test	October 27, 2007	**Temperature**	26 deg/C
EUT	PC System	**Humidity**	60 %RH
Working Cond.	Mode 2	**Display Pattern**	H Pattern
Antenna distance	3m at **Horizontal**	**Frequency Range**	1GHz~5GHz
Test Power Supply	AC 120V/60Hz		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	1033.2860	55.00	-8.35	46.65	74.00	-27.35	peak
2	1033.2860	46.00	-8.35	37.65	54.00	-16.35	AVG
3	1332.4700	51.62	-6.14	45.48	74.00	-28.52	peak
4	1332.4700	44.35	-6.14	38.21	54.00	-15.79	AVG
5	1667.2530	54.16	-3.93	50.23	74.00	-23.77	peak
6	1667.2530	47.23	-3.93	43.30	54.00	-10.70	AVG
7	2055.2800	44.35	-1.79	42.56	74.00	-31.44	peak
8	2055.2800	40.16	-1.79	38.37	54.00	-15.63	AVG

Remarks:

1. All Readings are Peak and Average value.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. The measurement uncertainty is 3.7 dB.



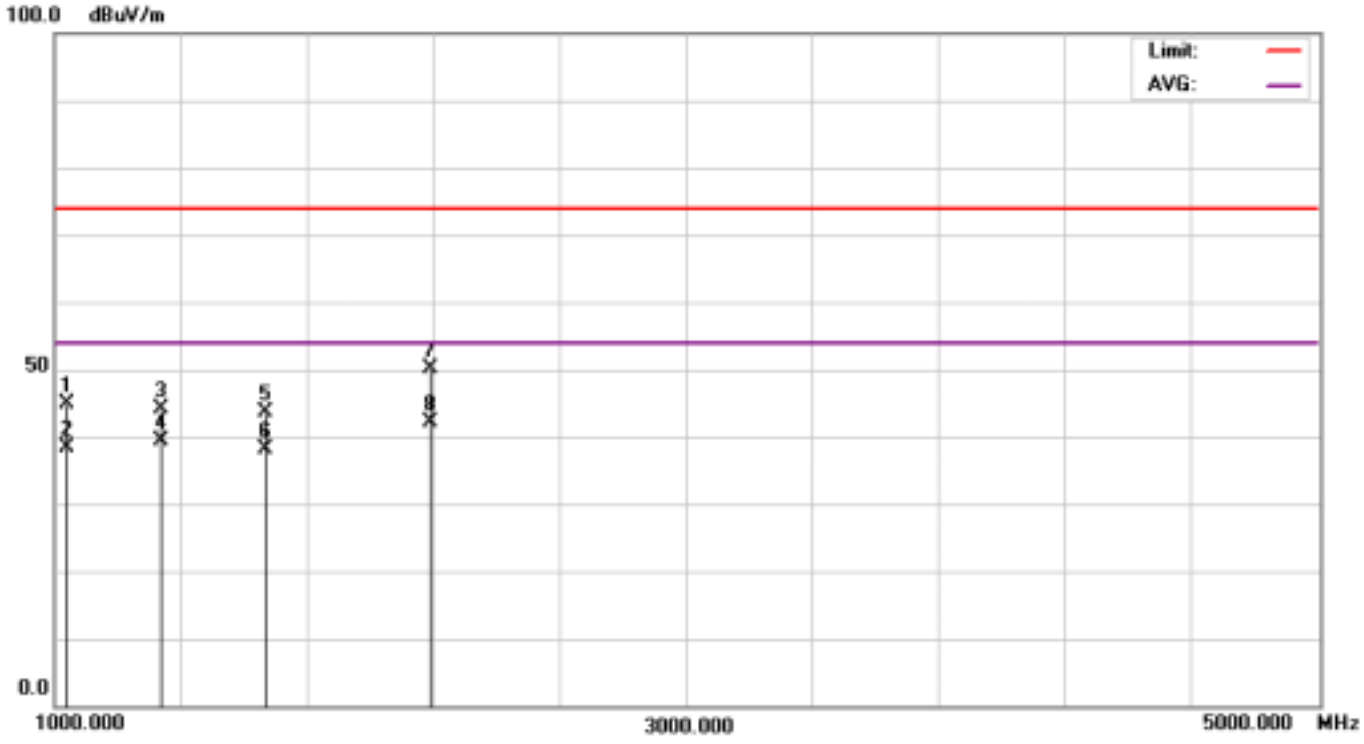
Remark: 1. The “Limit” in right-up corner in above diagram refers to peak ; “AVG” refers to the limit of Average.

Date of Test	October 27, 2007	**Temperature**	26 deg/C
EUT	PC System	**Humidity**	60 %RH
Working Cond.	Mode 2	**Display Pattern**	H Pattern
Antenna distance	3m at **Vertical**	**Frequency Range**	1GHz~5GHz
Test Power Supply	AC 120V/60Hz		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	1034.1800	53.19	-8.35	44.84	74.00	-29.16	peak
2	1034.1800	46.63	-8.35	38.28	54.00	-15.72	AVG
3	1332.9700	50.24	-6.14	44.10	74.00	-29.90	peak
4	1332.9700	45.59	-6.14	39.45	54.00	-14.55	AVG
5	1665.8400	47.61	-3.93	43.68	74.00	-30.32	peak
6	1665.8400	42.13	-3.93	38.20	54.00	-15.80	AVG
7	2184.7600	51.32	-1.30	50.02	74.00	-23.98	peak
8	2184.7600	43.44	-1.30	42.14	54.00	-11.86	AVG

Remarks:

1. All Readings are Peak and Average value.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. The measurement uncertainty is 3.7 dB.



Remark: 1. The “Limit” in right-up corner in above diagram refers to peak ; “AVG” refers to the limit of Average.

6. PHOTOGRAPHS FOR TEST

6.1 TEST PHOTOGRAPHS FOR CONDUCTION

Mode 2

6.2 TEST PHOTOGRAPHS FOR RADIATED

Mode 2

7. PHOTOGRAPHS FOR PRODUCT

1. Front View Of BOX PC (EUT)
2. Back View Of BOX PC (EUT)

3. Front View Of BOX PC (EUT)
4. Back View Of BOX PC (EUT)

5. IO Ports 1
6. IO Ports 2

7. Front View Of Adaptor.
8. Back View Of Adaptor.

9. Power Cable
10.PS2 Cable

8. EMI/EMS REDUCTION METHOD DURING COMPLIANCE TESTING

No modification was made during testing.

Appendix A

Circuit (Block) Diagram

(Shall be added by Applicant)

Appendix B

User Manual

(Shall be added by Applicant)